BR-H2 Breathing Valve Air Tightness Tester

Product introduction

The instrument is used for the air tightness test of the breathing valve of the self-priming filter type anti particle respirator. It is applicable to labor safety protection inspection center, occupational safety inspection center, disease prevention and control center respirator manufacturer, etc. It is in accordance with GB 2626-2006 respiratory protective equipment self-priming filter type particle respirator.

Working principle

(1) After sealing the constant volume chamber with the air tight inspection cover, the system shall be aspirated to the negative pressure state of 1180pa, and no pressure change shall be observed within 2min after closing the control valve.
(2) Install the tested sample on the constant volume chamber and ensure that it is tightly closed. Make the system reach a negative pressure of 1250pa at a pumping rate of no more than 500ml / min and close the control valve.
(3) Start timing when the negative pressure of the system drops to 1180pa, and record whether the time required for the system to recover to normal pressure is less than 20s.

Technical features

(1) HD 7-inch color touch screen, simple and convenient operation.
(2) The micro pressure sensor has high sensitivity and is used to collect test data pressure.
(3) High precision gas flowmeter, accurately measure the leakage gas flow of exhalation valve.
(4) Convenient and quick voltage regulating device.
(5) The product complies with the three-level authority of GMP users.
(6) Single and group statistical analysis of test results can be carried out.
(7) With ISP online control and upgrade function, the test function can be changed remotely as required.
(8) The special computer communication software can carry out the real-time display of the test, the analysis and processing of the data, and the data storage.

Technical parameters

Volume of constant volume chamber：150±10mL
Micro manometer range：0～2000Pa，accuracy 1Pa
Flowmeter range：0～1000mL/min
Flowmeter accuracy：2%
Electronic digital display flow
Timer accuracy：0.1s
Pumping rate：2L/min